

CCCACGGCGTCCGGGCTTCTCTCGTGGGCTGGTCCCCAGCGGCTCCCTCCCCAACAGCTGCTCCAGGGAGGAAGC
 GGCGCGGGTGGCTGCTCCAGCTTCCCGGTGGTAAAAACCGGAGGGCTGCTCATCCACCACTACCATGTAAGGGCATGAGA

 M E E D L F Q L R Q L P V 13
 AGGGCTCATCCTGGGGAGCGCGGAC ATG GAG GAG GAC TTA TTC CAG CTA AGG CAG CTG CCG GTT 39

 V K F R R T G E S A R S E D D T A S G E 33
 GTG AAA TTC CGT CGC ACA GGC GAG AGT GCA AGG TCA GAG GAC GAC ACG GCT TCA GGA GAG 99

 H E V Q I E G V H V G L E A V E L D D G 53
 CAT GAA GTC CAG ATT GAA GGG CTC CGC GTG GGC CTA GAG GCT GTG GAG CTG GAT GAT GGG 159

 A A V P K E F A N P T D D T F M V E D A 73
 GCA GCT GTG CCC AAG GAG TTT CCC AAT CCC ACC GAT GAT ACT TTC ATG GTG GAA GAT GCA 219

 V E A I G F G K F Q W K L S V L T G L A 93
 GTG GAA GCC ATT CGC TTT GGA AAA TTT CAG TGG AAG CTG TCT GTT CTC ACT CGC TTG GCT 279

 W M A D A M E M M I L S I L A P Q L H C 113
 TGG ATG GCT GAT GCC ATG GAG ATG ATG ATC CTC AGC ATC CTG CCA CCA CAG CTG CAT TGC 339

 E W R L P S W Q V A L L T S V V F V G M 133
 GAG TGG AGG CTC CCA AGC TGG CAG GTG GCA TTG CTG ACC TCG GTG GTC TTT GTA GGC ATG 399

 M S S S T L W G N I S D Q Y G R K T G L 153
 ATG TCC AGC TCC ACG CTC TGG GGA AAT ATC TCA GAC CAG TAC GGC AGG AAA ACA GGG CTG 459

 K I S V L W T L Y Y G I L S A F A P V Y 173
 AAG ATC AGC GTG CTG TGG ACT CTG TAC TAT GGC ATC CTT AGT GCA TTT GCG CCC GTG TAT 519

 S W I L V L R G L V G F G I G G V P Q S 193
 AGC TGG ATC CTG GTG CTC CGG GGC CTG GTG GGC TTC CGG ATC GGA GGA GTT CCC CAG TCG 579

 V T L Y A E F L P M K A R A K C I L L I 213
 GTG ACG CTG TAT GCC GAG TTC CTT CCC ATG AAA GCC AGA GCT AAA TGT ATT TTG CTG ATT 639

 E V F W A I G T V F E V V L A V F V M P 233
 GAG GTA TTC TGG GCC ATC GGG ACA GTG TTC GAG GTC GTC GCT GTG TTC GTG ATG CCC 699

 S L G W R W L L I L S A V P L L F A V 253
 AGC CTG GGC TGG CGT TGG CTG CTC ATC CTC TCA GCT GTC CTC CTC CTC TTT GCC GTG 759

 L C F W L P E S A R Y D V L S G N Q E K 273
 CTG TGT TTC TGG CTG CCT GAA AGT GCA AGG TAT GAT GTG CTG TCA GGG AAC CAG GAA AAG 819

 A I A T L K R I A T E N G A P M P L G K 293
 GCA ATC GCC ACC TTA AAG AGG ATA GCA ACT GAA AAC GGA GCT CCC ATG CCG CTG GGG AAA 879

 L I I S R Q E D R G K M R D L F T P H F 313
 CTC ATC ATC TCC AGA CAG GAA GAC CGA GGC AAA ATG AGG GAC CTT TTC ACA CCC CAT TTT 939

 R W T T L L W F I W F S N A F S Y Y G 333
 AGA TGG ACA ACT TTG CTG CTG TGG TTT ATA TGG TTT TCC AAT GCA TTC TCT TAC TAC GGG 999

Figure 1

L	V	L	L	T	T	E	L	F	Q	A	G	D	V	C	G	I	S	S	R	353
TTA	GTT	CTA	CTC	ACC	ACA	GAA	CTC	TTC	CAG	GCA	GGG	GAT	GTC	TCC	GGC	ATC	TCC	AGT	CGG	1059
K	K	A	V	E	A	K	C	S	L	A	C	E	Y	L	S	E	E	D	Y	373
AAG	AAG	GCT	CTA	GAG	GCA	AAA	TGC	AGC	CTG	GCC	TGC	GAG	TAC	CTG	AGT	GAG	GAG	GAT	TAC	1119
M	D	L	L	W	T	T	L	S	E	F	P	G	V	L	V	T	L	W	I	393
ATG	GAC	TTG	CTG	TGG	ACC	ACC	CTC	TCT	GAG	TTT	CCA	GGT	GTC	CTT	GTG	ACT	CTG	TGG	ATT	1179
I	D	R	L	G	R	K	K	T	M	A	L	C	F	V	I	F	S	F	C	413
ATT	GAC	CGC	CTG	GGG	CCC	AAG	AAG	ACC	ATG	GCC	CTG	TGC	TTT	GTG	ATC	TTC	TCC	TTC	TGC	1239
S	L	L	L	F	I	C	V	G	R	N	V	L	T	L	L	L	F	I	A	433
AGC	CTC	CTG	CTG	TTT	ATC	TCT	GTT	GGG	AGA	AAT	GTG	CTC	ACT	CTG	TTA	CTC	TTC	ATT	GCA	1299
R	A	F	I	S	G	G	F	Q	A	A	Y	V	Y	T	P	E	V	Y	P	453
AGA	GCG	TTT	ATT	TCT	GGG	GGC	TTT	CAA	GCG	GCA	TAT	GTT	TAC	ACA	CCT	GAG	GTC	TAC	CCC	1359
T	A	T	R	A	L	G	L	G	T	C	S	G	M	A	R	V	G	A	L	473
ACG	GCA	ACG	CGG	GCC	CTC	GGC	CTG	GGC	ACC	TGC	AGC	GGC	ATG	GCA	AGA	GTG	GGT	GCT	CTC	1419
I	T	P	F	I	A	Q	V	M	L	E	S	S	V	Y	L	T	L	A	V	493
ATC	ACT	CCG	TTC	ATC	GCC	CGG	GTG	ATG	CTG	GAA	TCC	TCT	GTG	TAC	CTG	ACT	CTG	GCA	GTT	1479
Y	S	G	C	C	L	L	A	A	L	A	S	C	F	L	P	I	E	T	K	513
TAC	AGT	GGC	TGC	TGC	CTC	CTG	GCT	GCC	CTG	GCC	TCC	TGC	TTT	TTG	CCC	ATT	GAG	ACC	AAA	1539
G	G	G	L	Q	E	S	S	H	R	E	W	G	Q	E	M	V	G	R	G	533
GGC	CGA	CGA	CTG	CAG	GAG	TCC	AGC	CAC	CGG	GGC	CAG	GAG	ATG	GTC	GGC	CGA	CGA	CGA	CGA	1599
M	H	G	A	G	V	T	R	S	N	S	G	S	Q	E	*					549
ATG	CAC	GGT	GCA	GGT	GTT	ACC	AGG	TCG	AAC	TAC	TCT	GTC	TCT	GAG	TTC	GGT	GAA	TAG		1647
TGACCGATGGGGACTGAGCTGGCTTGAGGCTCCAGAGCTGGGGGGCTGGAGGGCCACTGGGCACTGATTGT																				
CACTGCCGACATCAAGAACTCACCAAGAGTATGACCTGGACCAACAGGGTTTGTGTCTTGACTCAGTTGCTCATCT																				
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AGAGATCCAGATGTGTCCTGGGACAGCTGGGTCTTGCACCAGGTGACAACCTCAAAACGCCGTTACCCCTGGGAAC																				
TGAGGACTGAGSGCCAAGTG																				

Figure 1 continued

	*wCFM Aa FGGmFMFGWDTGVINgFvwM Id FhYRFgMmhydwtyY1....S	
	+ A+G F W V G +WM D + ++ ++ ++	
132	EDAVEAIGF-GKFQWKLSVLTGLAWMADAMEMMILSILAPQLHCEWRLP	179
	TMRWgLIVSIFnIGCMIGSIFFGWIgDMYGRRsMMMvNvIFIIGIIIMI	
	+ + +L +S ++G+M +S ++G+I+D YGR+ ++ +++++ +I+++	
180	SWQVALLTSVVFVGMMSSTLWGNISDQYGRKTGLKISVLWTLYYGILSA	229
	fSinysWWMYIIGRIImGIGVGgISvlvPMYISEIAPkH1RGtMvSWYQL	
	F++ + +++ R ++G+G+GG + V +Y +E+ P + R +++ + ++	
230	FAP--VYSWILVLRGLVGFIGGVPQSVTLY-AEFLPMKARAKCILLIEV	276
	MITiGIFIAYCfNYgfnYnNdsWQWRWPLGLcFIWAIfMIIgMMF1PES	
	+++IG ++ + +++ + + WRW+L+L++++ +++ ++++++LPES	
277	FWAIGTVFEVVLAVFVMPSLG---WRWLLILSAVPLLFAVLCFWLPES	322
	PRWLVi k GriEEARrsLqR1RgwdDVDpEIQE M MD e IeaMiEEElagNaS	
	R+ V+ G+ E+A ++L+R+ ++ + + + + + ++ +	
323	ARYDVLSGNQE K AIATL K RIATENGAPMPLGKL I ISRQED-----RGK	365
	WgELFrrrcP k MRWRiIMgMMI Q iFQQFTGINYIMYY s TTIFesVGMq*	
	+ LF+ + RW +++ +I+++ ++ YY+ ++ ++ -Q	
366	MRDLFTP <small>HF</small> ---RWTTLLLWFIWFSN-----AFSYYGLVLLTTELFO	404

Figure 2

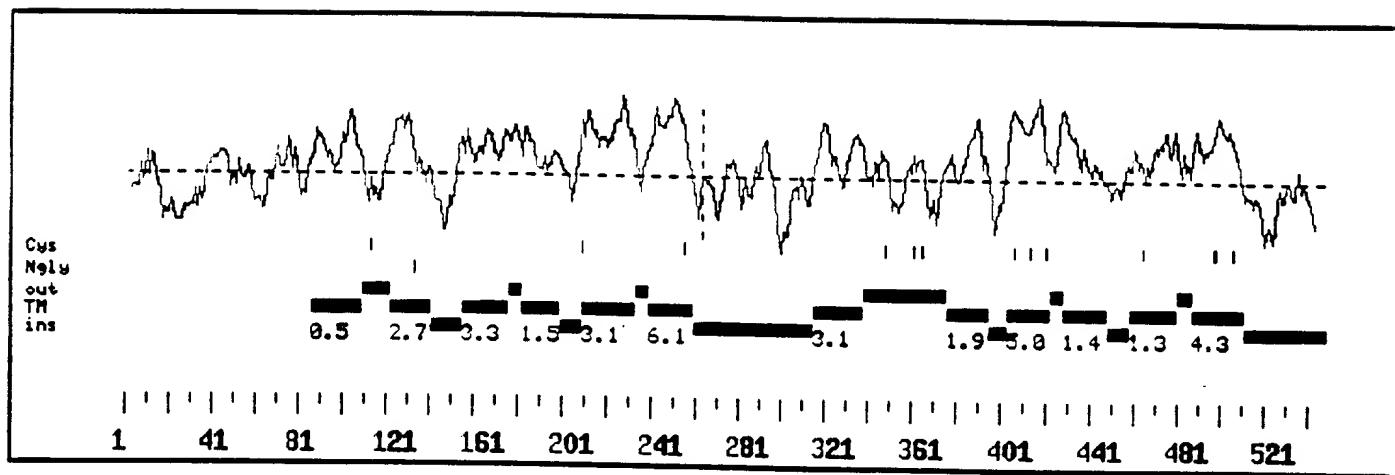


Figure 3

GTGACCCACCGTCCGAGCAAAGAGGATTACATGGACCTGCTGGACCACCCGTCTG
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GAAATGTGCTAACCCCTTACTGTTCATGCAAGAGCGTTATTTCTGGAGGCTTCCAAG
CAGCCTACGTTACACGCCGTAGGGTGTATCCAACGGCGACGAGGGCGCTGGGCCTGGCA
CCTGCAGCGGCATGGCGAGAGTGGGCGCTCATCACTCCATTCACTAGCTCAGGTGATGC
TGGAAATCTCCGTACCTGACCCCTGGCGTCTACAGTGGCTGCTGCCCTCTGCTGCC
TGGCCTCTGTTCTGCCATCGAGACCAAAGGCCGAGCACTGCAGGAGTCCAGGCCACC
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CCGAGTGGCGAAGTGAACCGACAGGGTTTGTCCTACTGTGTTGGCCTATGTTCA
TCGAGGGTTGCCGCCCCAGGAAGATGGGCTGCATTCACTCCAGGGGTTCTCGTGG
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AGGAAGGAGATGGCCAGGCCAAATCAAAGGCCAGAGGAAGTGGCCGCTTGCTGATG
GACACCTCGCAAGGGAGCCAAATGTGCGTTGTGCCCTCATCTCTTA

Figure 4